



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010529
CERTIFICATION DATE: September 4, 2013
DATE RECERTIFICATION DUE: March 3, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

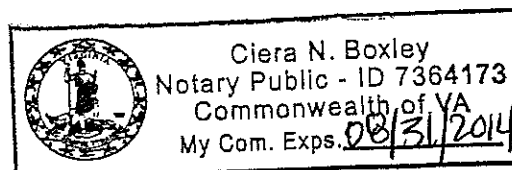
Melissa Kennedy
Section Supervisor, Breath Alcohol

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 13th day of September, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



DBH
max

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 9/6/2013**

Instrument Serial Number: 010529

As of 06-Sep-13

Maintenance Date	Certification Date	Technician Initials	Remarks
04-Sep-13	04-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
19-Mar-13	19-Mar-13	DBH (21250)	CERTIFIED.
27-Sep-12	27-Sep-12	DBH (21250)	CERTIFIED.
26-Sep-12	26-Sep-12	HMS (18910)	REPLACED AND TESTED FUEL CELL MODULE, CALIBRATED AND CERTIFIED.
05-Apr-12	05-Apr-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
18-Oct-11	18-Oct-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
25-Aug-11	26-Apr-11	HMS (18910)	REPLACED DRY GAS STANDARD.
26-Apr-11	26-Apr-11	RJP (22428)	CERTIFIED.
17-Nov-10	17-Nov-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
27-Jul-10	02-Jun-10	RJP (22428)	REPLACED DRY GAS STANDARD.
02-Jun-10	02-Jun-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
14-Dec-09	14-Dec-09	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
24-Aug-09	24-Aug-09	RJP (22428)	CERTIFIED. REPLACED DRY GAS STANDARD.
10-Jul-09	10-Jul-09	RJP (22428)	CERTIFIED.
18-May-09	20-Mar-09	RJP (22428)	REPLACED DRY GAS STANDARD.
20-Mar-09	20-Mar-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
17-Oct-08	17-Oct-08	RJP (22428)	CERTIFIED.
01-Oct-08	01-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
MSK

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010529 Worksheet Start Date 9/4/2013
Location Farmville PD
Address 116 N Main St Farmville VA 23901
DFS Technician Donald Hall License No. 21250

☐ Laboratory

☒ On-Site

Site Specifications

Yes

No

1 Secured Environment:

Location must not be accessible to the general public.

☒

☐

2 Environment free from contaminants

☒

☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒

☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒

☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒

☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒

☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒

☐

	Old serial no.	New serial no.	Supplies
E-Seek			Mouthpieces 100
Keyboard			Certificates of Analysis 100
Printer			Operator Worksheet
UPS			Other:

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number	010529	Certification Date	9/4/2013
Instrument Barometer (mm HG)	753	Reference Barometer (mm HG)	756
Reference Barometer(RB)Serial #	009110	RB Calibration Due	5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.245
0.250	0.247	0.239	0.254	Sample 2	0.245
Precision		sample min	sample max	Sample 3	0.245
0		0.245	0.245		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.148
0.150	0.148	0.143	0.152	Sample 2	0.148
Precision		sample min	sample max	Sample 3	0.148
0		0.148	0.148		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.079	0.076	0.082	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated ☒ Certified ☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.) AG211702-10

☒ Measurement Assurance Check ☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.099
0.100	0.099	0.096	0.102	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

DFS Technician

Donald B. Bell

Date

9/6/13

Issuing Analyst

Michael Kennedy

Date

9/10/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

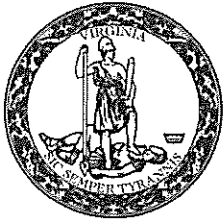
Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2

Sgt




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/04/2013
TEST EQUIPMENT NUMBER 010529		

RESULTS: TIME SAMPLE TAKEN 15:12 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 06 Sep 2013 at 09:40

DBA

NSM

Test Results

Instrument Serial Number 010529

Test # 002771 Subject Test

Test Location 1 Department of
Test Date 04 Sep 2013

Test Location 2 Forensic Science
Test Time 15:06
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 04 Sep 2013 End Time 15:13

Result Time 15:12

Result Date 04 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:06

Data Type BLK

Sample Value 0.000

Sample Time 15:07

Data Type CHK

Sample Value 0.099

Sample Time 15:08

Data Type BLK

Sample Value 0.000

Sample Time 15:09

Data Type SUBJ

Sample Value 0.000

Sample Time 15:10

Data Type BLK

Sample Value 0.000

Sample Time 15:11

Data Type SUBJ

Sample Value 0.000

Sample Time 15:12

Data Type BLK

Sample Value 0.000

Sample Time 15:13

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG204704-22

Standard Expiration Date 02/16/2014

Tank Pressure 227

Barometric Pressure 753 mmHg

Blow Sample Number 1 Blow Duration 3.34 sec

Blow Volume 1742 cc End-of-Blow Time 15:10

Blow Sample Number 2 Blow Duration 3.82 sec

Blow Volume 1970 cc End-of-Blow Time 15:12

Tamper Evident Stamp d51234b1

Test Status Code 0

Test Status Success

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010529

System Date: 09/04/2013

System Time: 15:37 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

WJH

DBA

NSK

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010529 Test Number: 2772

Test Date: 09/04/2013 Test Time: 15:40 EDT

Dry Gas Target: 0.099

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 458 psi Barometric Pressure: 752 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:41
CAL	0.099	15:42

Test Status: *Success*

Calibration CRC: 41CD7F81

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010529 Test Number: 2773

Test Date: 09/04/2013 Test Time: 15:45 EDT

Technician Initials: DBH

Dry Gas Target: 0.247

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 360 psi Barometric Pressure: 752 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:46
BLK	0.000	15:46
CHK	0.245	15:47
BLK	0.000	15:48
CHK	0.245	15:49
BLK	0.000	15:51
CHK	0.245	15:52
BLK	0.000	15:53

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH

NWK

Intox EC/IR-II: Certification*Department of Forensic Science*

Serial Number: 010529 Test Number: 2774

Test Date: 09/04/2013 Test Time: 15:55 EDT

Technician Initials: DBH

Dry Gas Target: 0.148

Lot Number: 0651215014-07 Exp Date: 04/01/2014

Tank Pressure: 134 psi Barometric Pressure: 752 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:56
BLK	0.000	15:57
CHK	0.148	15:57
BLK	0.000	15:59
CHK	0.148	15:59
BLK	0.000	16:01
CHK	0.148	16:01
BLK	0.000	16:03

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010529 Test Number: 2775
Test Date: 09/04/2013 Test Time: 16:05 EDT

Technician Initials: DBH

Dry Gas Target: 0.079

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 321 psi Barometric Pressure: 752 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:05
BLK	0.000	16:06
CHK	0.079	16:07
BLK	0.000	16:08
CHK	0.079	16:09
BLK	0.000	16:10
CHK	0.079	16:11
BLK	0.000	16:12

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010529 Test Number: 2776
Test Date: 09/04/2013 Test Time: 16:14 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014

Tank Pressure: 213 psi Barometric Pressure: 752 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:15
BLK	0.000	16:15
CHK	0.019	16:16
BLK	0.000	16:17
CHK	0.019	16:18
BLK	0.000	16:19
CHK	0.019	16:20
BLK	0.000	16:21

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010529 Test Number: 2777

Test Date: 09/04/2013 Test Time: 16:25 EDT

Dry Gas Target: 0.297

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 487 psi Barometric Pressure: 752 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	16:26
CHK	0.299	16:26
BLK	0.000	16:28
CHK	0.299	16:29
BLK	0.000	16:30
CHK	0.298	16:31

Test Status: *Success*

Calibration CRC: 41CD7F81

DBH

12/1/13

Intox EC/IR-II: Accuracy Check

NJK

Department of Forensic Science

Serial Number: 010529 Test Number: 2778

Test Date: 09/04/2013 Test Time: 16:34 EDT

Dry Gas Target: 0.099

Lot Number: AG211702-10 Exp Date: 04/26/2014

Tank Pressure: 620 psi Barometric Pressure: 752 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	16:35
CHK	0.099	16:36
BLK	0.000	16:37
CHK	0.099	16:38
BLK	0.000	16:39
CHK	0.099	16:40

Test Status: *Success*

Calibration CRC: 41CD7F81

DBH
NWK




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/04/2013
TEST EQUIPMENT NUMBER 010529		

RESULTS: TIME SAMPLE TAKEN 16:48 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 06 Sep 2013 at 09:41

DBH

NSK

Test Results

Instrument Serial Number 010529

Test # 002779 Subject Test

Test Location 1 Department of
Test Date 04 Sep 2013

Test Location 2 Forensic Science
Test Time 16:42
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 04 Sep 2013 End Time 16:50

Result Time 16:48

Result Date 04 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 16:42

Data Type BLK

Sample Value 0.000

Sample Time 16:43

Data Type CHK

Sample Value 0.099

Sample Time 16:44

Data Type BLK

Sample Value 0.000

Sample Time 16:45

Data Type SUBJ

Sample Value 0.000

Sample Time 16:46

Data Type BLK

Sample Value 0.000

Sample Time 16:47

Data Type SUBJ

Sample Value 0.000

Sample Time 16:48

Data Type BLK

Sample Value 0.000

Sample Time 16:49

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG211702-10

Standard Expiration Date 04/26/2014

Tank Pressure 615

Barometric Pressure 752 mmHg

Blow Sample Number 1 Blow Duration 3.32 sec

Blow Volume 1731 cc End-of-Blow Time 16:46

Blow Sample Number 2 Blow Duration 3.40 sec

Blow Volume 1737 cc End-of-Blow Time 16:48

Tamper Evident Stamp 143e5fd0

Test Status Code 0

Test Status Success